



Section 5

**LAND RECLAMATION, EARTH
OBSERVATION & SURVEYING,
ENVIRONMENTAL ENGINEERING**

**SCIENTIFIC COMMITTEE OF
LAND RECLAMATION, EARTH OBSERVATION&SURVEYING,
ENVIRONMENTAL ENGINEERING SECTION**

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- Ioan BICA - Technical University of Civil Engineering of Bucharest, Romania
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- Sevastel MIRCEA - University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
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- Dorin Dumitru PRUNARIU - Romanian Space Agency, Romania
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- Răzvan Ionuț TEODORESCU - University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
- Augustina TRONAC - University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
- Ana VÎRSTA - University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania

**LAND RECLAMATION, EARTH OBSERVATION&SURVEYING,
ENVIRONMENTAL ENGINEERING SECTION**

ORGANIZING COMMITTEE

- Ana VÎRSTA
- Victor ILIESCU
- Andreea OLTEANU
- Mirela Alina SANDU
- Patricia MOCANU

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**SECTION 5 – LAND RECLAMATION,
EARTH OBSERVATION&SURVEYING,
ENVIRONMENTAL ENGINEERING**

DETAILED PROGRAMME

Day 1 – Thursday, 3rd of June 2021

- 14:00 – 14:10 *Conference Section Opening – Welcome*
- 14:10 – 16:20 *Online oral paper presentations*
- 16:20 – 17:00 *Q & A Session / Breakout sessions*

Day 2 – Friday, 4th of June 2021

- 08:00 – 09:00 *Online Registration of participants*
- 09:00 - 12:00 *Virtual Poster display and viewing*
- 12:00 – 12:30 *Virtual networking session; Q & A Session*
- 12:30 – 13:00 *Final discussions and conclusions*

THURSDAY, 3rd of JUNE 2021

OPENING CEREMONY

Time: 14:00 – 14:10

Dean, Prof. Ph.D. Ana VÎRSTA

Vice-Dean, Lecturer Ph.D. Mirela Alina SANDU

ORAL PRESENTATIONS

(Livestream)

Moderators: *Lect. Ph.D. Patricia MOCANU,*
Lect. Ph.D. Mirela Alina SANDU

	Time	Authors	Paper Title
1	14:10	Liliana VELEA Roxana BOJARIU Cristina BURADA Mihaela Tinca UDRISTIOIU Mirela Paraschivu Roxana Diana BURCE	CHARACTERISTICS OF EXTREME TEMPERATURES RELEVANT FOR AGRICULTURE IN THE NEAR FUTURE (2021-2040) IN ROMANIA
2	14:20	Lucian COPOLOVICI Andreea LUPITU Cristian MOISA Dana COPOLOVICI	THE INFLUENCE OF CLIMATE CHANGING ON PLANTS
3	14:30	Stefan Florin BALAN Bogdan Felix APOSTOL, Alexandru TIGANESCU	SOIL CONDITIONS AND STRUCTURAL TYPOLOGIES FOR SEISMIC ISOLATION OF BUILDINGS, IN CITIES EXPOSED TO STRONG EARTHQUAKE HAZARD
4	14:40	Ivanka MITOVA Galina PATAMANSKA Antoaneta GIGOVA	ANALYSIS OF VEGETATIVE AND REPRODUCTIVE GROWTH OF GREENHOUSE TOMATOES CULTIVATED UNDER DRIP IRRIGATION AND FERTIGATION WITH INCREASED FERTILIZER RATES

	Time	Authors	Paper Title
5	14:50	Aurica Breica BOROZAN Corina Dana MISCA Adriana MORAR Diana OBISTIOIU Diana Nicoleta RABA, Luminita PIRVULESCU Ioan Ladislau CABA Ersilia ALEXA Mariana – Atena POIANA Despina-Maria BORDEAN Carmen Daniela PETCU	SOIL POLLUTION WITH HEAVY METALS AND BIOREMEDIATION METHODS
6	15:00	Ira-Adeline SIMIONOV Ştefan-Mihai PETREA Alina MOGODAN Dragoş CRISTEA Aurelia NICA Mihaela NECULITA	ASSESSMENT OF GLOBAL WARMING IMPACT ON AQUATIC ECOSYSTEMS: A STATE-OF-THE-ART PERSPECTIVE
7	15:10	Ira-Adeline SIMIONOV Isabelle METAXA Alina MOGODAN, Stefan-Mihai PETREA, Aurelia NICA, Victor CRISTEA	COMPARATIVE STUDY OF NITROGEN MANAGEMENT IN TWO DIFFERENT CYPRINID AQUACULTURE TECHNOLOGIES: INTEGRATED MULTI-TROPHIC AQUACULTUREVS. POLYCULTURE
8	15:20	Dan VASILIU Laura TIRON DUȚU Andra BUCȘE Naliana LUPAȘCU Florin DUȚU	GEOCHEMICAL CHARACTERISTICS OF RIVERBED SEDIMENTS IN THE IN THE DANUBE DELTA, ROMANIA
9	15:30	Iulian POJAR Laura TIRON DUȚU Cornel Ioan POP Florin DUȚU	HYDRODYNAMIC OBSERVATIONS ON MICROPLASTIC ABUNDANCES AND MORPHOLOGIES IN THE DANUBE DELTA, ROMANIA
10	15:40	Gabriela DAMIAN (DORIN) Florian STATESCU Nicoleta Adriana UNGURASU (STAN) Vasile Lucian PAVEL Nicolae MARCOIE	ANALYSIS FOR SOILS CHARACTERIZATION IN THE PURPOSE OF RAINFALL-RUNOFF PROCESS MODELING

	Time	Authors	Paper Title
11	15:50	Grigore MARIAN Nicolai DARADUDA Andrei GUDIMA Boris NAZAR Alexandru BANARI Andrei PAVLENCO	QUALITY OF DENSIFIED SOLID BIOFUELS PRODUCED FROM SOME ENERGY CROPS SPECIFIC TO THE CONDITIONS OF THE REPUBLIC OF MOLDOVA
12	16:00	Grigore MARIAN Alexandru BANARI Boris NAZAR Andrei GUDIMA Nicolai DARADUDA Andrei PAVLENCO	PROSPECTS FOR THE USE OF SEABUCKTHORN RESIDUES IN THE PRODUCTION OF DENSIFIED SOLID BIOFUELS
13	16:10	Cristinel CONSTANDACHE Ciprian TUDOR Radu VLAD Lucian DINCĂ Laurențiu POPOVICI	THE PRODUCTIVITY OF PINE STANDS ON DEGRADED LANDS
14	16:20	Oleksandr SHEVCHENKO Ivan OPENKO Ruslan TYKHENKO Oleg TSVYAKH, Oleksiy ZHUK Euvghenia KRYVOVIAZ Olga TYKHENKO Nataliia BAVROVSKA Yanina STEPCHUK Anatoliy ROKOCHINSKIY Pavlo VOLK	ASSESSMENT OF ECONOMIC LOSSES CAUSED BY DEGRADATION PROCESSES OF AGRICULTURAL LAND USE
	16:20 – 17:00	Q & A Session/ Breakout sessions	

FRIDAY, 4th of JUNE 2021

ONLINE REGISTRATION OF PARTICIPANTS

Time: 08:00 – 09:00

VIRTUAL POSTERS GALLERY

No	Authors	Paper Title
1	Alina AGAFITEI Vasile Lucian PAVEL	RESEARCHES REGARDING THE IMPACT OF WASTE LANDFILL IN SIBIU COUNTY, ROMANIA ON THE ENVIRONMENT AND MEASURES TO REDUCE IT
2	Horia BARDEANU FlorentinaMATEI Paul-Alexandru POPESCU Octavian IONESCU, Stefana JURCOANE	IMPROVING A BIOGAS PLANT PARAMETERS IN THE CONVERSION CONTEXT OF REPLACING THE CORN SILO WITH AGRI-FOOD WASTE
3	Gabriela BUEMA Nicoleta LUPU Horia CHIRIAC Maria HARJA	KINETIC STUDY FOR THE REMOVAL OF COPPER IONS BY FLY ASH/NaOH ADSORBENT
4	Lucian-Constantin DINCĂ Ilie-Cosmin CÂNTAR	THE CHARACTERISTICS OF FORESTS SITUATED IN KARST AREAS FROM BANATULUI MOUNTAINS
5	Mihai Valentin HERBEI Roxana Claudia HERBEI Florin SALA	MODEL OF DESCRIBING THE DIVING PHENOMENON AND THE DIVING DISTANCE OF THE LAND UNDER THE INFLUENCE OF MINING ACTIVITY. CASE STUDY JIU VALLEY, ROMANIA
6	Andreea LUPITU Cristian MOISA Dana COPOLOVICI Lucian COPOLOVICI	THE EFFECT OF ANTAGONIST ABIOTIC STRESS ON THE PHOTOSYNTHETIC PARAMETERS OF <i>OCIMUM BASILICUM</i> L.
7	Tatiana OLINIC Ernest-Daniel OLINIC	FOUNDATION SOLUTIONS FOR AN INDUSTRIAL PLATFORM BUILT ON CONTAMINATED SOFT SOIL

No	Authors	Paper Title
8	Andreea TEPENEU Andreea LUPITU Cristian MOISA Dana COPOLOVICI Lucian COPOLOVICI	THE DETERMINATION OF VOLATILE ORGANIC COMPOUNDS IN THE SHOPS
9	Manol DALLEV Velika KUNeva	OPTIMIZATION MODEL FOR FERTILIZATION OPERATIONS
10	Oleg KUKHAREV Elena FUDINA	FORMATION AND IMPLEMENTATION OF THE AGRICULTURE SUSTAINABLE DEVELOPMENT STRATEGY UNDER ECONOMY DIGITALIZATION CONDITIONS
11	Mariana Mirela STOICAN (PRISECARU)	THE RELATION BETWEEN THE POWER REQUIRED TO DRIVE A ROTATING VOLUMETRIC PUMP AND THE IRRIGATED AGRICULTURAL AREA
12	Alexander UKHANOV Denis UKHANOV Mikhail RYBLOV Valentin MACHNEV	SAFFLOWER OIL AS A BIOLOGICAL COMPONENT OF BLENDED FUEL FOR DIESEL ENGINES
13	Sergey TIMOHIN Andrey MORUNKOV Alexander INSHAKOV Ivan KURBAKOV	ENERGY AND RESOURCE SAVING, LABOR AND ENVIRONMENTAL PROTECTION DURING RUNNING-IN AUTOMOTIVE-TRACTOR DIESEL ENGINES BY USING NEW TECHNOLOGIES AND MEANS FOR THEIR IMPLEMENTATION
14	Claudiu-Sorin DRAGOMIR Daniela DOBRE Adrian SIMION	STRUCTURAL VIBRATION AND FIRE RESISTANCE
15	Alina AGAFIȚEI Vasile Lucian PAVEL Daniel TOMA Valentin BOBOC	METHODS AND TECHNIQUES FOR PREVENTION AND CONTROL OF THE WATER EUTROPHYCATION PROCESS IN HILLY LAKES
16	Dragoș DRĂCEA, Augustina TRONAC, Sebastian MUSTAȚĂ	REGULATION OF OXIDATION DITCH TYPE BIOLOGICAL REACTORS

No	Authors	Paper Title
17	Maria POPA Ioana GLEVITZKY Dorin POPA Mirel GLEVITZKY	WATER QUALITY ASSESSMENTS THROUGH THE APPLICATION OF CAUSE-AND-EFFECT DIAGRAMS IN CONJUNCTION WITH HACCP AND RISK ASSESSMENT FOR" ROUA APUSENILOR" SPRING WATER BOTTLING PROCESS
18	Mirela Alina SANDU Ana VIRSTA	THE WATER FOOTPRINT ASSESSMENT
19	Bianca-Stefania ZABAVA Gheorghe VOICU Paula TUDOR Mariana FERDES Gabriel-Alexandru CONSTANTIN	VARIATION OF TURBIDITY OF LIQUID-SOLID MIXTURES IN THE WASTEWATER SETTLING PROCESS
20	<i>Violina ANGELOVA</i> <i>Vanya ZAPRYANOVA</i>	<i>MISCANTHUS X GIGANTEUS AS A BIOFUEL CROP FOR PHYTOREMEDIATION OF HEAVY METAL CONTAMINATED SOILS</i>
21	Violina ANGELOVA Vanya ZAPRYANOVA	CARDOON (<i>CYNARA CARDUNCULUS L.</i>) AS A BIOFUEL CROP FOR PHYTOREMEDIATION OF HEAVY METAL CONTAMINATED SOIL
22	Cornelia BUZATU-GOANTA (nee HERNEA) Mihaela CORNEANU Cristina BABEANU	SALIX ACCESSIONS WITH POTENTIAL FOR NEW HYBRIDS. A CASE STUDY FROM BANAT AREA
23	Alla GORDOPOLOVA Evgeniy ZAVOROTIN Nataliya TIURINA	ECONOMIC EFFICIENCY OF APPLYING MEASURES FOR REDUCTION OF SOIL DEPLETION IN RUSSIAN AGRICULTURAL LAND USE
24	Ioana Andreea PETREAN Valer MICLE	STUDY REGARDING POLLUTED SOILS WITH HEAVY METALS FROM MARAMURES MINING BASIN/ ROMANIA IN VIEW FOR THE REMEDIATION OF AFFECTED AREAS
25	Gilbert TARO Mirela COMAN	ECOLOGICAL RESTORATION OF THE POLLUTED SOILS WITH HEAVY METALS. CASE STUDY: CUPROM SA BAIA MARE BRANCH

No	Authors	Paper Title
26	Maryna ZAKHAROVA Sviatoslav BALIUK Lyudmila VOROTYNTSEVA	ENVIRONMENTAL RISKS IN IRRIGATED AGRICULTURE
27	Anca Maria MOSCOVICI Clara Beatrice VÎLCEANU Sorin HERBAN Carmen GRECEA	SOLAR CADASTRE IN TIMISOARA, ROMANIA
28	Nataliya TIURINA Evgeniy ZAVOROTIN, Alla GORDOPOLOVA	MECHANISM OF TRANSFORMATION OF LAND RELATIONS IN THE AGRICULTURAL SECTOR OF RUSSIA
29	Evgeniy ZAVOROTIN Alla GORDOPOLOVA Nataliya TIURINA	THE METHOD ENSURING SUPPORT OF DEMAND FOR AGRICULTURAL-PURPOSE LAND
30	Gabriela BIALI Paula COJOCARU	THE INFLUENCE OF GIS TECHNOLOGY IN RECLAMATION SOLUTIONS FOR SLOPING LAND AFFECTED BY EROSION
31	Olha DOROSH Yevhen BUTENKO Hryhorii KOLISNYK Andriy DOROSH Iryna KUPRIIANCHYK	THE USE OF UAVS: DEVELOPMENT, PERSPECTIVES AND APPLICATION
32	Mihai Valentin HERBEI Radu BERTICI Florin SALA	GEOMATIC METHODS FOR MANAGEMENT PLANNING OF PROTECTED AREAS. CASE STUDY: PANIOVA FOREST, TIMIS COUNTY, ROMANIA
33	Voichița TIMIȘ-GÂNSAC Lucian DINCĂ	DOUGLAS FIR (<i>PSEUDOTSUGA MENZIESII</i> (MIRB.) FRANCO) FROM BANATULUI MOUNTAINS
34	Veselka VLAHOVA	STUDY OF THE SUCCESSFUL APPROACH TO TRUFFLE GROWING IN EUROPE - REVIEW
35	Veselka VLAHOVA Evgenia KOSTADINOVA Anelia ZHELEVA	SURVEY OF THE ENTOMOFAUNA ON THE SOIL SURFACE IN AN ORGANIC APPLE ORCHARD

No	Authors	Paper Title
36	Ivan ZAHARIEV Dimitar KEHAYOV	TRANSPORT-MANIPULATION TECHNOLOGIES FOR COLLECTION OF VEGETABLE RESIDUES FROM <i>ROSA</i> <i>DAMASCENE</i> MILL PRODUCTION IN REPUBLIC OF BULGARIA FOR THE PURPOSE OF FOLLOWING USE FOR ENERGY NEEDS
37	Cornel Cristian TERESNEU	GIS ANALYSIS OF AREA DETERMINATION METHODS IN FORESTRY
38	Andrii KOVALENKO Oksana SAKAL Nataliia TRETIAK Ihor SKOLSKYI Halyna SHTOHRYN Roman TRETIAK	FIELD SHELTERBELTS: CURRENT STATE, LAND USE ISSUES AND PERSPECTIVE IN UKRAINE